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PROJECT AQUATONE PLANNING INFORMATION

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PROJECT AQUATONE

PLANNING INFORMATION

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1. The ability of the USSR to wage offensive war is a primary factor which determines the preparations the United States must make for both defensive and offensive action. The United States lacks precise knowledge of the major economic, military, and political activities of the USSR. This lack of knowledge creates an atmosphere of uncertainty, provides an unsound basis for determining the National Defense program, and may lead to a state of economic and psychological tension which is unacceptable. Thus, the overwhelming need of the United States is that of securing reliable and conclusive evidence of the ability of the USSR to conduct war. This knowledge is a prerequisite to fulfilling our responsibility of maintaining the peace.

2. Aerial photography is recognized as being the most powerful single tool for gaining accurate information of the USSR. The Air Force is concerned with the problem of aerial photography as a portion of the reconnaissance mission. However, such a program utilizing current accepted aircraft is excessively dangerous due to the probability of detection and possible destruction. It also is unwise for one of the military arms to engage directly in extensive overflight of the USSR.

3. Relatively safe overflights are now feasible. An aircraft has been developed with the capability of operating at an altitude such that, if detected, it can avoid destruction by current Russian defenses. Thus vehicles to fulfill the need are available. We believe these planes can safely conduct aerial photography and that no amount of indirect or fragmentary intelligence can equal the positive information afforded by such a program. The opportunity for safe overflight may be anticipated for only a few years as the Russians will develop defenses to counteract temporary aircraft superiority. For these reasons we are vigorously pursuing a program designed to secure intelligence information by aerial photography of the USSR. TAB "A"

4. Our mission is to conduct extensive overflights of the Soviet Bloc in order to provide photographic and secondarily electronic intelligence; our tasks are to organize, equip, train and deploy overseas, units capable of performing our mission.

5. General direction and control of the project organized to perform our mission shall be exercised jointly by the Director of Central Intelligence and the Chief of Staff USAF. The project Headquarters is headed by a CIA Project Director, an Air Force officer serves as Deputy Director. This Headquarters will be responsible for continued research and development, operational planning, and the direction and control of operations.

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The Commander, SAC, will provide and coordinate Air Force support for the project including training. A subordinate SAC Headquarters has been established for this purpose. Command and coordination channels are as indicated in TAB "B".

6. Supporting functions within the Project will be organized as outlined in the attached annexes.

Annex 1	Political, Legal and Cover Arrangements
Annex 2	Administration
Annex 3	Security
Annex 4	Logistics
Annex 5	Medical
Annex 6	Communications
Annex 7	Weather
Annex 8	Intelligence

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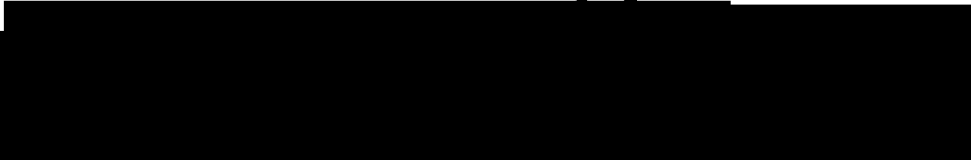
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ASSUMPTIONS

25X1C4a

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1. Rear, intermediate, and forward staging bases will be available 

25X1C4a

2. All pilots will be civilian. Maintenance, operations and support personnel employed at forward bases will be civilian or military personnel in civilian dress 

25X1C4e

25X1C4e

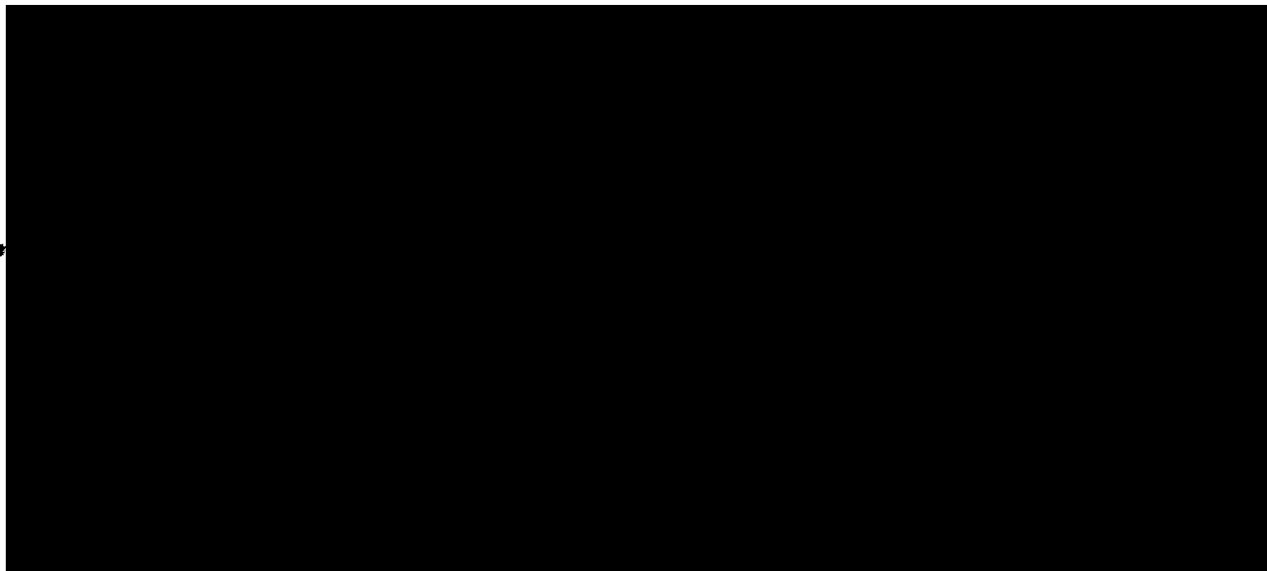
3. The USAF will supply general support to this operation. Housekeeping support functions will be performed by personnel of the permanent USAF bases. Airlift support will be provided by special USAF units.

4. The first unit will be considered combat equipped and ready when six trained pilots and three aircraft are available for overflight operations. Overflight operations will begin at this point.

5. Initial operations will be launched from bases within easy reach of the heavily populated areas of Western Russia and her Western Satellites.

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6. Initial operations will begin with "feeler type" missions. Sortie rates and penetration will build up gradually. Maximum monthly sortie rates will be 8 per aircraft and 4 per pilot.



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9. Priority considered, flight routes will be planned in areas where sun angle and weather will permit the greatest amount of photographic coverage. Route weather will be one of the major factors in flight planning.

10. For the purpose of determining equipment and personnel requirements a sustained operation is assumed. For the purpose of mission planning and priority establishment the possibility of having to cease operation at any time is assumed.

Activities under this project fall into three phases. First are the activities dealing with research and development, procurement, the construction and activation of a test and training base, the testing of equipment, and operational planning. These activities are well along. The second phase will be devoted to training and deployment overseas. The third phase is that of active operations from overseas bases.

In April 1956 the first operationally ready unit will be deployed to a base in [REDACTED] to begin clandestine overflights of the USSR. It is probable that this first unit will also launch missions from forward staging bases.

25X6C

25X1D0b

25X1D0b

The second unit will become operationally ready July 1956 and will possibly be deployed to [REDACTED]

25X6C

The third unit to become operationally ready will be based in Europe or will be used to supplement the units in place in [REDACTED]

25X6C

In order to reach all points within the USSR, flights must be staged in and out of bases in [REDACTED]. These staging missions are not planned for the first months of the overflight operation. Staging missions will require that a maintenance and communications capability be moved to the pre or post-strike staging area. This will require in addition to the necessary arrangements with local governments, a considerable amount of support from the USAF in the form of airlift. The USAF will organize units to support each of our operational units. These units will provide logistics support at the home base as well as airlift during staging operations.

25X6C

Control of our operations will be maintained by Central Project Headquarters in Washington. This will require that the Field Unit Commanders be given limited authority to plan and launch overflights. A considerable degree of control will have to be maintained, however, in cases where flights from one unit may conflict with those of another and when base facilities of another unit are required for staging.

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Phase 1

Certain activities of Phase One will exist concurrently with those of Phases Two and Three. Modification and development of equipment will continue indefinitely as experience gained through active operations defines the need for modification. In addition, electronic systems 2 and 4, [REDACTED] package will not be completed by the time the first detachments are deployed overseas and are in active operations. For these reasons Phase One will be considered completed for individual items on the date they have been developed, tested, proved equal or superior to specifications and delivered to personnel of the project. This is defined as the operationally available date. Operational planning will also continue through Phases Two and Three. For the purpose of this study operational planning consists of two parts. First of these is planning concerned with organizing and equipping units so that they are capable of accomplishing their mission after receiving adequate training and direction. The target date for completion of this for each detachment is established as the date each detachment enters into training. The second part is planning concerned with training and utilization of these units. The target date for this is also established as the date of entry of individual detachments into training status. The unit will be considered operationally ready and training completed when the unit has performed successful missions in protracted operations under simulated overseas conditions.

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ANNEX 2

ADMINISTRATION

Assumptions

1. Because of the sensitive nature of the Project, administrative control between Central Project Headquarters in Washington and units in the field will exist in a direct line, without reference to any command lines now in being between Washington and any other operations now in the field under the same sponsorship.

2. Local administrative control of detachments in the field will be vested in a senior Administrative Officer with each detachment, responsible for supervision of all maintenance and support activities under the command of the Detachment Commander. In order to simplify local administration of each detachment, the senior Administrative Officer will have delegated to him as many administrative authorities as possible, subject only to the orders of the Detachment Commander and to subsequent review by Central Project Headquarters.

3. Special arrangements will be made to effect disbursements covering salary, per diem, and/or allowances to all overseas Detachment personnel regardless of their parent service or sponsor.

4. Administrative control over staff personnel, contract personnel and USAF types (less theatre support personnel) will reside in Central Project Headquarters. Similar control over contractor-supplied personnel will be provided through close liaison with the affected contractors, and through the medium of terms of contractor employment contracts previously negotiated under Central Project Headquarters guidance.

5. Subject to the determinations of the Project Director, ultimate financial responsibility for the Project lies within the Administrative Staff. Systems of process and procedures for allocating funds, establishing obligations, performing audits, maintaining recordings of all monetary transactions, and preparation of Financial Status Records on the Project, will be established within Central Project Headquarters. Each overseas Detachment will have its own Finance Officer, trained by Central Project Headquarters. Prior to the activation of a Detachment overseas, a detailed financial plan, setting forth the mechanics of gaining funds, rendering services, maintaining accountings and making and disposing of reports will be prepared and made available to the Detachment Finance Officer.

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6. Through the Project Contracting Officer, administrative responsibility for the contracts executed between the sponsor and the various contractors for the provision of supplies and services, will reside in the Project Administrative Staff. The Staff will establish systems necessary to permit prompt and accurate disposition of the accounts of all contractual transactions initiated at the direction of responsible Project officials.

7. Although the Project Administrative Staff exercises administrative control over, and responsibility for, Project security, both within the ZI and overseas at Detachment locations, the Security Plan is set forth separately in Annex 3.

8. The Central Project Headquarters Administrative Staff will furnish support policy guidance to Detachments in the field, as required, under the direction of the Project Director.

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Phase 1

1. Phase 1 administrative support will be concerned with the formulation and revision of a Project Table of Organization, reflecting operational and support emphasis, and with the acquisition of a Project Staff as set forth therein. (See Attachment A to Annex 2) The Project assumes responsibility for the identification, recruitment, selection and clearance of personnel required to man the Project. These fall into four primary categories:

a. Staff Employees - to be assigned to the Project from the ranks of available sponsor personnel, or directly from sources in civilian life. Assignment to the Project is controlled by the Project Director.

b. Contract Employees - either indigenous or nationals recruited for their skills and under legal contract to the sponsor solely for the life of the Project. Normally this category will comprise pilot personnel.

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d. Contractor Personnel - This category consists of civilians recruited and selected by contractors of the Project, solely for maintenance and operation of the primary mission aircraft and its components. Security clearances are handled by sponsor Security elements, and, subject to approval by the Project Director, selected individuals may be assigned by the Contractor for duty with the Project. They are not directly employed by the Government, but the Project retains a review function over contract terms of employment, and may request the removal of any such employee from association with the Project, should circumstances require.

2. The Table of Organization is coordinated with the Air Force so far as structure and specialty content are concerned, and then formally approved as a sponsor Project T/O by appropriate sponsor officials. It may be amended in line with changing operational concepts and requirements.

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3. Certain sponsor-furnished personnel will also be detailed to the Project to handle specific policy, operational or support functions, without appearing on the Project T/O. This group is so detailed with the approval of the Project Director.

4. The Project Administrative Staff will also assume primary responsibility for the erection and maintenance of the Project Training and Test Site, located within the ZI. Consultative services on construction and maintenance matters is supplied by the Project Architect-Engineer; construction and maintenance contracts will be let through the mechanism of an apparent co-sponsoring Agency acting as a cut-out both for letting contracts and effecting payments. Work on the Test Site will be performed by a civilian contractor unwitting of sponsoring interest.

5. Administrative responsibility at the Test and Training Site resides in the Deputy Base Commander, a civilian staff employee supplied by Central Project Headquarters. He reports to, and is under the guidance of, a senior USAF officer, assigned as Base Commander at the Training and Test Site. This officer is responsible only to the Project Director.

6. During Phase 1, the Project Contracting Officer, under the direction of the Project Director, will contract with certain civilian industrial suppliers, for the production of the primary mission aircraft and such components as are deemed necessary to its successful operation. Records of such contracts will be maintained in the Administrative Staff, Central Project Headquarters, and payment plans will be executed and administered from the same locale.

Phase 2

1. Phase 2 is concerned with training and deployment of Detachment personnel for overseas duty, and will overlap with Phase 3. The responsibility for the training phase rests with a special component of the USAF, which will detail a mission to the Training and Test Site, under a senior USAF officer, especially for this purpose. This mission will be charged with the responsibility for determining combat-readiness of each overseas Detachment.

2. During Phase 2, Central Project Headquarters will determine what physical support facilities are required at each overseas operating base, and will levy a requirement on USAF through USAF Project Headquarters to provide such facilities, including new construction particular to this Project. Such advice and guidance as may be required on special Project construction requirements will come from the Project Director through the Administrative Staff to USAF Project Headquarters.

3. Maintenance and Support elements of overseas Detachments will be assembled, so far as is possible, at Central Project Headquarters for training and indoctrination, and will proceed to the Training and Test Site for actual field experience in their respective jobs. Contractor-furnished elements of the Maintenance and Support Section of each overseas Detachment will proceed to the Training and Test Site without indoctrination at Central Project Headquarters.

4. The Project Administrative Staff will assume responsibility for the physical preparation for overseas duty of all personnel assigned to the Project. Immunization, documentation, passports, visas and payment plans will be worked out either through sponsor's facilities, or, in the case of civilian contractor employees, through their company headquarters under Project direction. Pilot personnel, either indigenous or U.S. national will be processed for overseas through sponsor facilities in Central Project Headquarters.

5. Maintenance and support elements of each overseas Detachment, under command of the Detachment Administrative Support officer, will be deployed approximately 30 days in advance of the commencement of Detachment operations.

Phase 3

During Phase 3, or active operations, administrative support for each Detachment will be provided locally through the senior Administrative Support Officer and his immediate staff, operating under policies set forth by the Project Director, and with such guidance from Central Project Headquarters as may be required.

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ATTACHMENT A

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TABLE OF ORGANIZATION - PROJECT AQUATONEHEADQUARTERS

As of 1956

<u>Reporting Date</u>	<u>Title</u>	<u>Grade or Rank</u>
Duty	SA/PC/DCI - Project Director	Not charged to this T/O
"	Deputy Project Director	USAF, Colonel

OPERATIONS SECTION

Duty	Director of Operations	Colonel, USAF
"	Assistant Operations Officer	Colonel, USAF
"	Assistant Operations Officer	GS-14
* "	Weather Officer	Lt. Col., USAF
ASAP	Weather Officer	Major, USAF
* Duty	Flight Surgeon	Lt. Col., USAF
ASAP	Intelligence Officer	Lt. Col., USAF
Duty	Intelligence Operations Specialist	Tech/Master Sgt., USAF
"	Intelligence Analyst	Not charged to this T/O
"	Intelligence Analyst	Not charged to this T/O
"	Intelligence Analyst	Not charged to this T/O
"	Intelligence Officer	Major, USAF
"	Illustrator (General)	GS-9
* "	Photo-Navigator	Lt. Col., USAF
"	Education & Training Staff Officer	Major, USAF
"	Communications Specialist	GS-14
ASAP	Electronics Engineer	GS-13
Duty	Secretary-Steno	GS-7
"	Secretary-Steno	GS-7
"	Clerk-Typist	GS-5

ADMINISTRATIVE SECTION

Duty	Director of Administration	GS-15
"	Administrative Officer	GS-13
"	Administrative Officer (Finance)	GS-14
"	Administrative Officer (Finance)	GS-12
"	Personnel Officer	GS-14
"	Administrative Assistant	GS-9
"	Administrative Assistant	GS-9
"	Personnel Specialist (MPD)	A/LC, USAF
"	Security Officer	GS-14
"	Security Officer	GS-13
"	Clerk-Steno (Security)	GS-5
"	Clerk-Typist (Security)	GS-5
"	Clerk-Typist (Security)	GS-5
"	Secretary-Steno	GS-7
"	Secretary-Steno	GS-6
"	Clerk-Typist	GS-5

* Position appearing on Base "C" T/O.

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TABLE OF ORGANIZATION - PROJECT AQUATONE (Cont'd)

HEADQUARTERS

<u>Reporting Date</u>	<u>Title</u>	<u>Grade or Rank</u>
Duty	Information Control Clerk	GS-6

MATERIEL SECTION

Duty	Director of Materiel	GS-15 or Colonel, USAF
"	Administrative Officer (Materiel)	Lt. Col., USAF
ASAP	Supply Records Specialist	A/IC - S/Sgt., USAF
Duty	Supply Assistant	GS-7
"	Secretary-Steno	GS-6

DEVELOPMENT & PROCUREMENT SECTION

Duty	Director of Development & Procurement	Not charged to this T/O
"	Contracting Officer	GS-14
"	Engineering Officer	GS-14
"	Project Engineer	GS-13
ASAP	Project Engineer	Major, USAF
Duty	Secretary-Steno	Not charged to this T/O

PROJECT CADRE

Duty	Communications Specialist (Ops.)	GS-13
"	Electronics Engineer (Radio)	GS-13
"	Communications Specialist (Ops.)	GS-11
"	Communications Technician (Radio)	GS-9
"	Communications Technician (Radio)	GS-9
"	Communications Technician (Radio)	GS-9
"	Communications Technician (Radio)	GS-9
"	Communications Technician (Crypt.)	GS-8
* " "	Security Officer	GS-13
"	Secretary-Steno (Security)	GS-7
* " "	Investigator	GS-11
* " "	Investigator	GS-11
* " "	Investigator	GS-11
* " "	Investigator	GS-9
* " "	Investigator	GS-9
* " "	Investigator	GS-9
* " "	Investigator	GS-7
* " "	Investigator	GS-7
* " "	Investigator	GS-7
* " "	Investigator	GS-7
* " "	Investigator	GS-7
* " "	Investigator	GS-7

* Position appearing on Base "C" T/O.

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TABLE OF ORGANIZATION - PROJECT AQUATONE (Cont'd)TS 142577/A
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<u>Reporting Date</u>	<u>Title</u>	<u>Grade or Rank</u>
* Duty	Investigator	GS-7
* "	Investigator	GS-7
* "	Investigator	GS-7
ASAP	Physiological Training Supervisor	Master Sgt., USAF
Duty	Physiological Training Specialist	Staff Sgt., USAF
"	Physiological Training Specialist	Staff Sgt., USAF
* "	Physiological Training Specialist	Staff Sgt., USAF
* "	Physiological Training Specialist	Staff Sgt., USAF
"	Aeromedical Technician	Master Sgt., USAF
"	Medical Laboratory Specialist	Staff Sgt., USAF
"	Pharmacy Specialist	Staff Sgt., USAF

TABLE OF ORGANIZATION - PROJECT AQUATONEU. S. FIELD

<u>Reporting Date</u>	<u>Title</u>	<u>Grade or Rank</u>
<u>TEST SITE</u>		
ASAP	Operations Officer (Base CO)	Colonel, USAF
Duty	Operations Officer	Lt. Col., USAF
ASAP	Air Transportation Supervisor	Tech-Master Sgt., USAF
"	Air Passenger & Operations Specialist	A/IC, USAF
Duty	Resident Manager	GS-14
"	Assistant Resident Manager	GS-13
"	Security Officer	GS-14
"	Supply Assistant	GS-7
"	Secretary-Steno	GS-7
<u>SUPPLY DEPOT</u>		
Duty	Supply Staff Officer	Major, USAF
ASAP	Supply Officer	Captain, USAF
ASAP	Supply Records Specialist	Staff Sgt., USAF
ASAP	Warehousing Supervisor	Master Sgt., USAF
ASAP	Warehousing Specialist	Staff Sgt., USAF
ASAP	Apprentice Warehousing Specialist	A/IC, USAF
Duty	Administrative Clerk	A/IC, USAF

* Position appearing on Base "C" T/O.

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FOREIGN FIELD - BASE A

<u>Reporting Date</u>	<u>Title</u>	<u>Grade or Rank</u>
Duty	Commanding Officer	Colonel, USAF
"	Deputy Commanding Officer	GS-14
ASAP	Secretary-Steno	A/IC, USAF
<u>OPERATIONS SECTION</u>		
Duty	Operations Officer	Lt. Col., USAF
ASAP	Photo-Navigator	Lt. Col., USAF
"	Photo-Navigator	Major, USAF
"	Photo-Navigator	Major, USAF
"	Photo-Navigator	Major, USAF
"	Intelligence Officer	Major, USAF
"	Intelligence Operations Specialist	Tech-Master Sgt., USAF
"	Administrative Clerk (Operations)	A/IC, USAF
"	Air Transportation Supervisor	Tech-Master Sgt., USAF
"	Flight Surgeon	Lt. Col., USAF
"	Physiological Training Specialist	Staff Sgt., USAF
"	Aeromedical Technician	Master Sgt., USAF
"	Aeromedical Specialist	A/IC, USAF
"	Weather Officer	Major-Lt., Col., USAF
"	Weather Officer	Major, USAF
"	Observer	A/IC, USAF
"	Pilot - Reconnaissance	Contract civilian
"	Pilot - Reconnaissance	Contract civilian
"	Pilot - Reconnaissance	Contract civilian
"	Pilot - Reconnaissance	Contract civilian
"	Pilot - Reconnaissance	Contract civilian
"	Pilot - Reconnaissance	Contract civilian
"	Pilot - Reconnaissance	Contract civilian
"	Pilot - Reconnaissance	Contract civilian
"	Pilot - Reconnaissance	Contract civilian
"	Pilot - Reconnaissance	Contract civilian
"	Pilot - Reconnaissance	Contract civilian
"	Pilot - Reconnaissance	Contract civilian
"	Pilot - Reconnaissance	Contract civilian
"	Pilot - Reconnaissance	Contract civilian
"	Pilot - Reconnaissance	Contract civilian
Duty	Communications Team Leader	GS-13
"	Communications Specialist	GS-13
"	Communications Specialist	GS-12
ASAP	Communications Specialist	GS-11
"	Communications Specialist (Tech. Analyst)	GS-11
"	Communications Specialist (Tech. Analyst)	GS-9

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<u>Reporting Date</u>	<u>Title</u>	<u>Grade or Rank</u>
Duty	Communications Technician (Radio)	GS-9
"	Communications Technician (Radio)	GS-9
"	Communications Technician (Radio)	GS-9
ASAP	Communications Technician (Radio)	GS-9
Duty	Communications Technician (Radio)	GS-9
1 Feb 1956	Radar Technician	Contract civilian
1 Jan 1956	Photo Interpreter	GS-11
1 Jan 1956	Photo Interpreter Aide	GS-7
1 Jan 1956	Photo Interpreter Aide	GS-7

MAINTENANCE & SUPPORT SECTION

1 Dec 1955	Administrative Support Officer	GS-14
1 Dec 1955	Finance Officer	GS-13
1 Dec 1955	Clerk-Typist	GS-6
1 Dec 1955	Intelligence Officer (Case Officer)	GS-11
1 Dec 1955	Intelligence Officer (Case Officer)	GS-9
1 Dec 1955	Security Officer	GS-13
1 Feb 1956	Assistant Security Officer	GS-12
Duty	Investigator	GS-11
1 Feb 1956	Investigator	GS-11
1 Feb 1956	Investigator	GS-11
1 Feb 1956	Investigator	GS-9
1 Feb 1956	Investigator	GS-9
1 Feb 1956	Investigator	GS-9
1 Feb 1956	Investigator	GS-7
1 Feb 1956	Investigator	GS-7
1 Feb 1956	Investigator	GS-7
1 Feb 1956	Investigator	GS-7
1 Feb 1956	Investigator	GS-7
1 Feb 1956	Investigator	GS-7
1 Feb 1956	Investigator	GS-7
1 Feb 1956	Investigator	GS-7
ASAP	Materiel Officer	Major-Lt. Col., USAF
"	Supply Records Supervisor	Tech-Master Sgt., USAF
"	Supply Records Specialist	A/1C, USAF
"	Administrative Clerk (Materiel)	A/1C, USAF
"	Personnel Technician	Tech-Master Sgt., USAF
"	Personnel Specialist	A/2C-Staff Sgt., USAF
"	Administrative Clerk (Personnel)	A/1C, USAF
1 Jan 1956	Photographic Technician	Contract Civilian
1 Jan 1956	Photographic Technician	Contract Civilian

TABLE OF ORGANIZATION - PROJECT AQUATONE (Cont'd)TS 142577/17
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<u>Reporting Date</u>	<u>Title</u>	<u>Grade or Rank</u>
1 Feb 1956	Photo-Navigator	Lt. Col., USAF
"	Photo-Navigator	Major, USAF
"	Photo-Navigator	Major, USAF
"	Photo-Navigator	Major, USAF
"	Intelligence Officer	Major, USAF
"	Intelligence Operations Specialist	Tech-Master Sgt., USAF
"	Administrative Clerk (Operations)	A/IC, USAF
"	Air Transportation Supervisor	Tech-Master Sgt., USAF
1 Jan 1956	Flight Surgeon	Lt. Col., USAF
1 Feb 1956	Physiological Training Specialist	Staff Sgt., USAF
"	Aeromedical Technician	Master Sgt., USAF
"	Aeromedical Specialist	A/IC, USAF
"	Weather Officer	Major-Lt. Col., USAF
"	Weather Officer	Major, USAF
"	Observer	A/IC, USAF
1 Feb 1956	Pilot-Reconnaissance	Contract Civilian
"	Pilot-Reconnaissance	Contract Civilian
"	Pilot-Reconnaissance	Contract Civilian
"	Pilot-Reconnaissance	Contract Civilian
"	Pilot-Reconnaissance	Contract Civilian
"	Pilot-Reconnaissance	Contract Civilian
"	Pilot-Reconnaissance	Contract Civilian
"	Pilot-Reconnaissance	Contract Civilian
"	Pilot-Reconnaissance	Contract Civilian
"	Pilot-Reconnaissance	Contract Civilian
"	Pilot-Reconnaissance	Contract Civilian
"	Pilot-Reconnaissance	Contract Civilian
"	Pilot-Reconnaissance	Contract Civilian
"	Pilot-Reconnaissance	Contract Civilian
1 March 1956	Communications Team Leader	GS-13
"	Communications Specialist	GS-13
"	Communications Specialist	GS-12
"	Communications Specialist	GS-11
"	Communications Specialist (Tech Analyst)	GS-11
"	Communications Specialist (Tech Analyst)	GS-9
"	Communications Technician (Radio)	GS-9
"	Communications Technician (Radio)	GS-9
"	Communications Technician (Radio)	GS-9
"	Communications Technician (Radio)	GS-9
"	Communications Technician (Radio)	GS-9
"	Radar Technician	Contract Civilian
1 April 1956	Photo Interpreter	GS-11

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<u>Reporting Date</u>	<u>Title</u>	<u>Grade or Rank</u>
1 April 1956	Photo Interpreter Aide	GS-7
"	Photo Interpreter Aide	GS-7
<u>MAINTENANCE AND SUPPORT SECTION</u>		
1 Feb 1956	Administrative Support Officer	GS-14
1 March 1956	Finance Officer	GS-13
1 Feb 1956	Clerk-Typist	GS-6
"	Intelligence Officer (Case Officer)	GS-11
"	Intelligence Officer (Case Officer)	GS-9
1 April 1956	Security Officer	GS-13
1 May 1956	Assistant Security Officer	GS-12
"	Investigator	GS-11
"	Investigator	GS-11
"	Investigator	GS-11
"	Investigator	GS-9
"	Investigator	GS-9
"	Investigator	GS-9
"	Investigator	GS-9
"	Investigator	GS-7
"	Investigator	GS-7
"	Investigator	GS-7
"	Investigator	GS-7
"	Investigator	GS-7
"	Investigator	GS-7
"	Investigator	GS-7
1 Feb 1956	Materiel Officer	Major-Lt. Col., USAF
"	Supply Records Supervisor	Tech-Master Sgt., USAF
"	Supply Records Specialist	A/1C, USAF
"	Administrative Clerk (Materiel)	A/1C, USAF
"	Personnel Technician	Tech-Master Sgt., USAF
"	Personnel Specialist	A/2C-Staff Sgt., USAF
"	Administrative Clerk (Personnel)	A/1C, USAF
1 April 1956	Photographic Technician	Contract Civilian
"	Photographic Technician	Contract Civilian
"	Photographic Technician	Contract Civilian
"	Photographic Technician	Contract Civilian
"	Photographic Technician	Contract Civilian
"	Engine Technician	Contract Civilian
"	Engine Technician	Contract Civilian
"	Aircraft Technician	Contract Civilian
"	Aircraft Technician	Contract Civilian
"	Aircraft Technician	Contract Civilian

TABLE OF ORGANIZATION - PROJECT AQUATONE (Cont'd)TS 142577/A
Copy / of 6FOREIGN FIELD - BASE C

<u>Reporting Date</u>	<u>Title</u>	<u>Grade or Rank</u>
Open	Photo-Navigator	Major, USAF
"	Photo-Navigator	Major, USAF
"	Intelligence Officer	Major, USAF
"	Intelligence Operations Specialist	Tech-Master Sgt., USAF
"	Administrative Clerk (Operations)	A/1C, USAF
"	Air Transportation Supervisor	Tech-Master Sgt., USAF
*"	Flight Surgeon	Lt. Col., USAF
*"	Physiological Training Specialist	Staff Sgt., USAF
*"	Aeromedical Technician	Master Sgt., USAF
"	Aeromedical Specialist	A/1C., USAF
*"	Weather Officer	Major-Lt. Col., USAF
"	Weather Officer	Major, USAF
"	Observer	A/1C, USAF
"	Pilot - Reconnaissance	Contract Civilian
"	Pilot - Reconnaissance	Contract Civilian
"	Pilot - Reconnaissance	Contract Civilian
"	Pilot - Reconnaissance	Contract Civilian
"	Pilot - Reconnaissance	Contract Civilian
"	Pilot - Reconnaissance	Contract Civilian
"	Pilot - Reconnaissance	Contract Civilian
"	Pilot - Reconnaissance	Contract Civilian
"	Pilot - Reconnaissance	Contract Civilian
"	Pilot - Reconnaissance	Contract Civilian
"	Pilot - Reconnaissance	Contract Civilian
"	Pilot - Reconnaissance	Contract Civilian
"	Pilot - Reconnaissance	Contract Civilian
"	Pilot - Reconnaissance	Contract Civilian
"	Communications Team Leader	GS-13
"	Communications Specialist	GS-12
"	Communications Specialist	GS-13
"	Communications Specialist	GS-11
"	Communications Specialist (Tech Analyst)	GS-11
"	Communications Specialist (Tech Analyst)	GS-9
"	Communications Technician (Radio)	GS-9
"	Communications Technician (Radio)	GS-9
"	Communications Technician (Radio)	GS-9
"	Communications Technician (Radio)	GS-9
"	Communications Technician (Radio)	GS-9
"	Radar Technician	Contract Civilian
"	Photo Interpreter	GS-11
"	Photo Interpreter Aide	GS-7
"	Photo Interpreter Aide	GS-7

* Positions appearing on HQ T/O.

TABLE OF ORGANIZATION - PROJECT AQUATONE (Cont'd)TS 142577/A
Copy 1 of 8FOREIGN FIELD - BASE C

<u>Reporting Date</u>	<u>Title</u>	<u>Grade or Rank</u>
Open	Administrative Support Officer	GS-14
"	Finance Officer	GS-13
"	Clerk Typist	GS-6
"	Intelligence Officer (Case Officer)	GS-11
"	Intelligence Officer (Case Officer)	GS-9
*"	Security Officer	GS-13
"	Assistant Security Officer	GS-12
*"	Investigator	GS-11
*"	Investigator	GS-11
*"	Investigator	GS-11
*"	Investigator	GS-9
*"	Investigator	GS-9
*"	Investigator	GS-9
*"	Investigator	GS-7
*"	Investigator	GS-7
*"	Investigator	GS-7
*"	Investigator	GS-7
*"	Investigator	GS-7
*"	Investigator	GS-7
*"	Investigator	GS-7
"	Materiel Officer	Major-Lt. Col., USAF
"	Supply Records Supervisor	Tech-Master Sgt., USAF
"	Supply Records Specialist	A/1C, USAF
"	Administrative Clerk (Materiel)	A/1C, USAF
"	Personnel Technician	Tech-Master Sgt., USAF
"	Personnel Specialist	A/2C-Staff Sgt., USAF
"	Administrative Clerk (Personnel)	A/1C, USAF
"	Photographic Technician	Contract Civilian
"	Photographic Technician	Contract Civilian
"	Photographic Technician	Contract Civilian
"	Photographic Technician	Contract Civilian
"	Photographic Technician	Contract Civilian
"	Engine Technician	Contract Civilian
"	Engine Technician	Contract Civilian
"	Aircraft Technician	Contract Civilian
"	Aircraft Technician	Contract Civilian
"	Aircraft Technician	Contract Civilian
"	Aircraft Technician	Contract Civilian

*Position appearing on HQ T/O.

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MAY JUNE JULY AUG. SEPT. OCT. NOV. DEC. JAN. FEB. MAR. APR. MAY JUNE JULY AUG. SEPT. OCT. NOV. DEC. JAN. FEB. MAR.

AIRCRAFT

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20

P-37

1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

P-31-A

1 2 5 10 15 20 20 20 20 22 28 28 33 37 44 45

ENGINES

A-1

1 2 3 4 5 6 7 8 9

Prototype tested in October

A-2

1 2 3 4 5 6 7 8 9

Prototype tested in Sept. and Oct.

B

1 2 3 4 5 6

C

1 2 3 4 5 6

CAMERA CONFIGURATIONS

System-1 X-BAND S-BAND

1 2 4 6 3 3 6

System-2

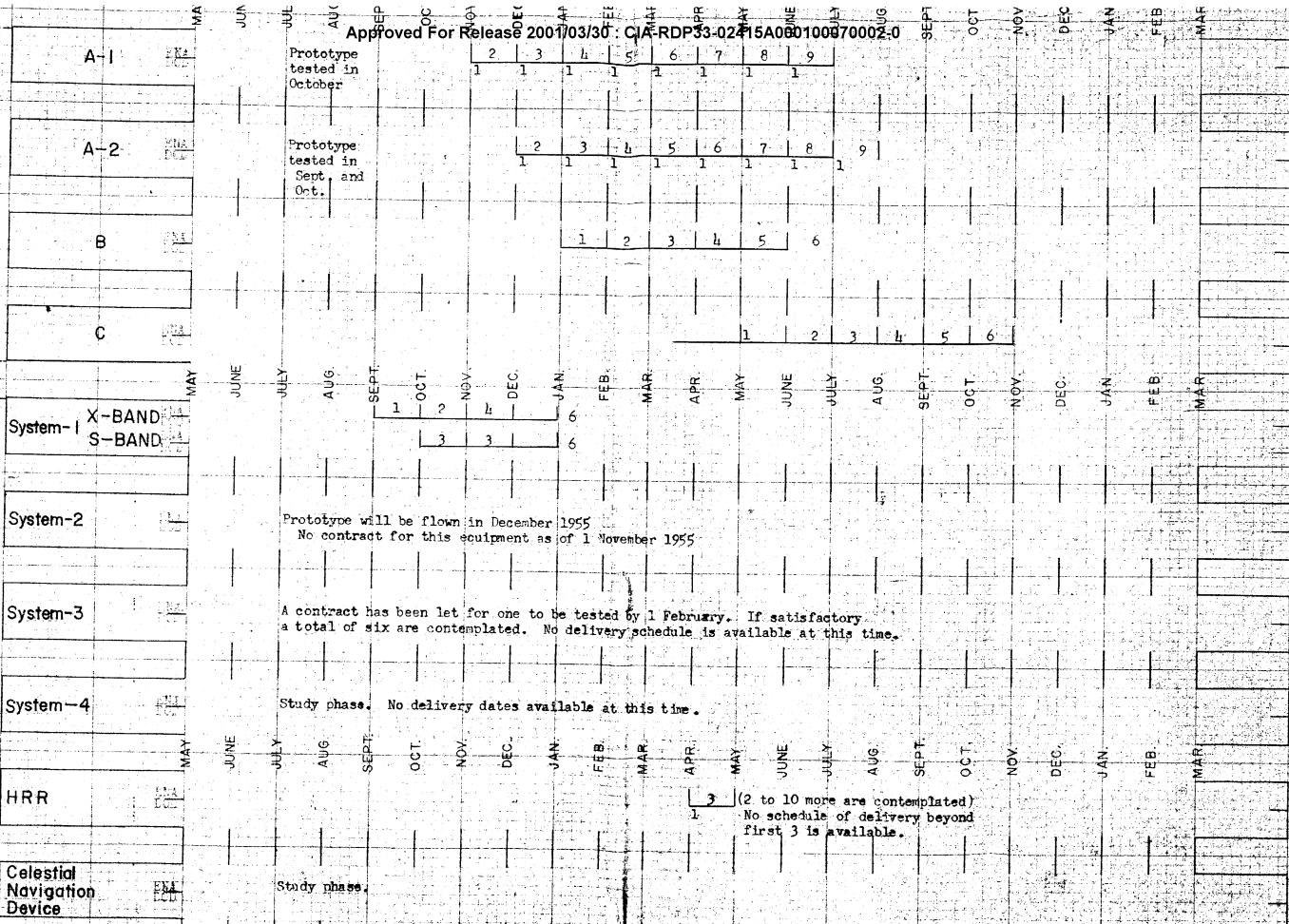
1 2 3 4 5 6

Prototype will be flown in December 1955
No contract for this equipment as of 1 November 1955

IIC GEAR

CAMERA CONFIGURATIONS

ELECTRONIC GEAR



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SECURITY ANNEX

The mission of the Security Office is to make certain that maximum security and security practices are maintained throughout the entire project. This is true in geographical terms as well as in terms of administrative and operational steps. Security must itself furnish the security protection in many cases, in others the advice, supervision and guidance that will insure no laxity on the part of others. The Security Office must, however, go further. The term "Security Support" must be interpreted to mean "Support from Security". To avoid breaches, "flaps" or leaks, the personnel and facilities of the Security Support team must be available to carry out any task or perform any duty that will assist any other element, support or operation in the performance of its duties in a secure manner.

It is basically recognized that security is of paramount importance in intelligence operations. It is particularly true in this Project, in that the preservation of security is vital to achieve the target objectives themselves. Ineffective security may cause partial or total failure of operations leading to abandonment of the entire Project. Of course, as in any classified project, ineffective security jeopardizes the operational success of the project because of loss of vital intelligence data, but in this case, it would also result in serious embarrassment to the participating agencies and bring about extremely serious diplomatic and other repercussions. From a national intelligence and operational viewpoint, ineffective security could lead to a clandestine or undetected penetration of the Project with disastrous results. In summation, we feel that the security of this Project, as a National problem, ranks next to, if not along side of, atomic research projects.

As a foundation for a sound, realistic and positive security program, trained security officers are assigned to the Project Staff to provide constant security advice, guidance and support. It is important to note that these officers perform an unusual dual function, i.e., Project Staff work and active participation in the work of the Office of Security. In security matters, therefore, they continue to receive the guidance and counsel of their superior and command officers in the Security Office. This is designed to insure that the total resources and facilities of the entire Office of Security are immediately available to the Project. This has the practical effect of providing worldwide security assistance on an "around the clock" basis.

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ANNEX 3

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The areas of security responsibility fall into certain reasonably well-defined functions. In this project these general responsibilities embrace: (1) conducting investigative activity within the United States, (2) the evolution of the security of all personnel utilized by the Project, including the issuance of security clearances, (3) operational and cover support, (4) security guidance and advice on a continuing basis, (5) the planning and supervision of an active counter-espionage/counter-intelligence program, and (6) such other security and positive operational responsibilities as may become necessary or may be assigned.

To augment the above data and to provide detailed security plans, a series of appendices will be prepared as required. For instance, Appendix I is an index of titles of anticipated appendices. Appendix II is a comprehensive outline of services and support which are currently provided or available to the Project.

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APPENDIX I

INDEX TO APPENDICES OF SECURITY ANNEX TO THE PROJECT PLAN

- I. Index to Security Annex
- II. Security Services and Support
- III. Security Guidance to the Project Staff
- IV. Liaison with Contractors
- V. Postal Communications Plan
- 25X1A6a VI. [REDACTED] Security Plan
- VII. Security Liaison with Other Government Agencies
- VIII. Clearance Procedure
- IX. Counter-Intelligence/Counter-Espionage Program
- X. Security Plan for Overseas Bases
- XI. Security Plan for Handling the Project Intelligence Product

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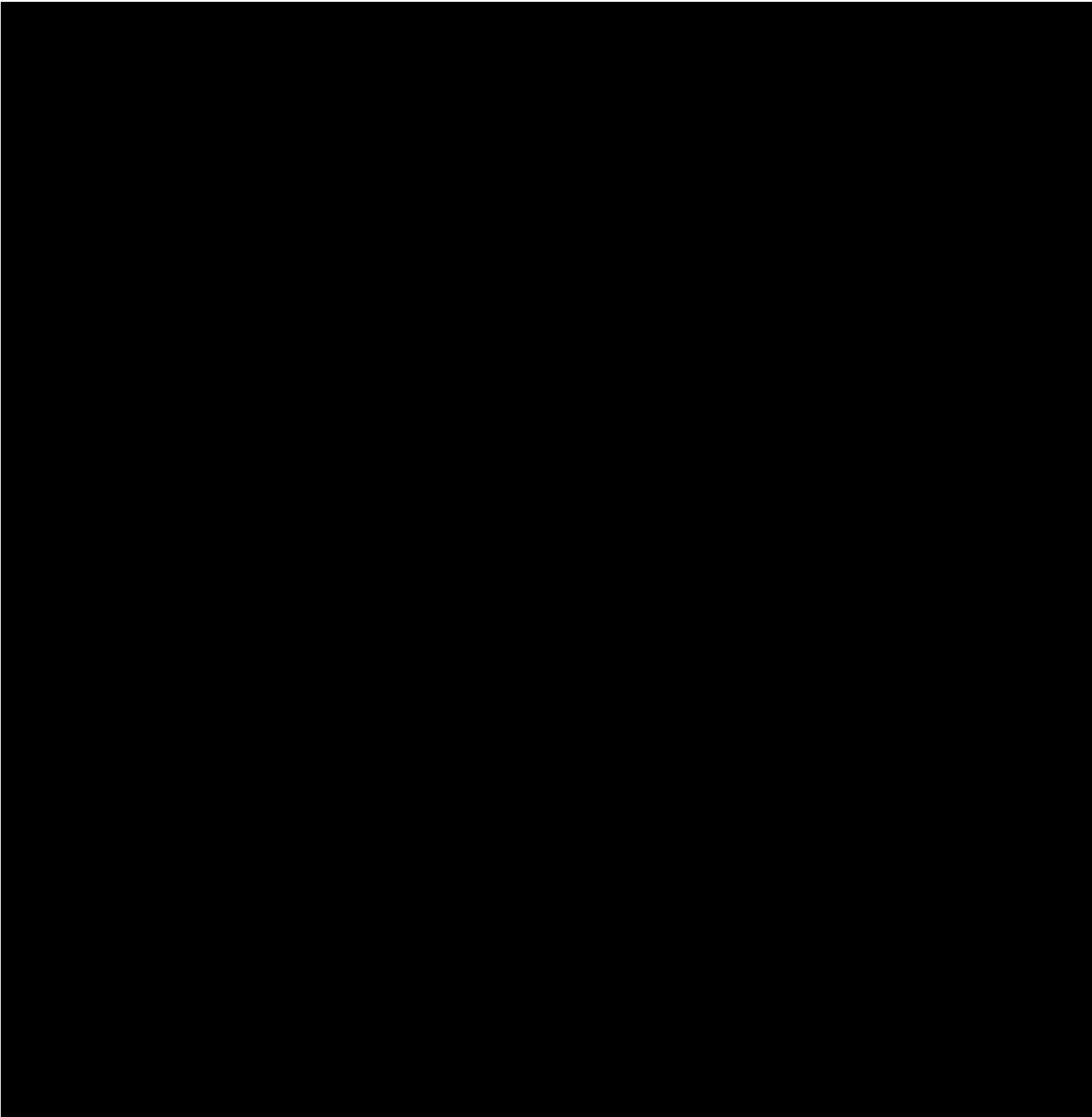
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APPENDIX II

SECURITY SERVICES AND SUPPORT

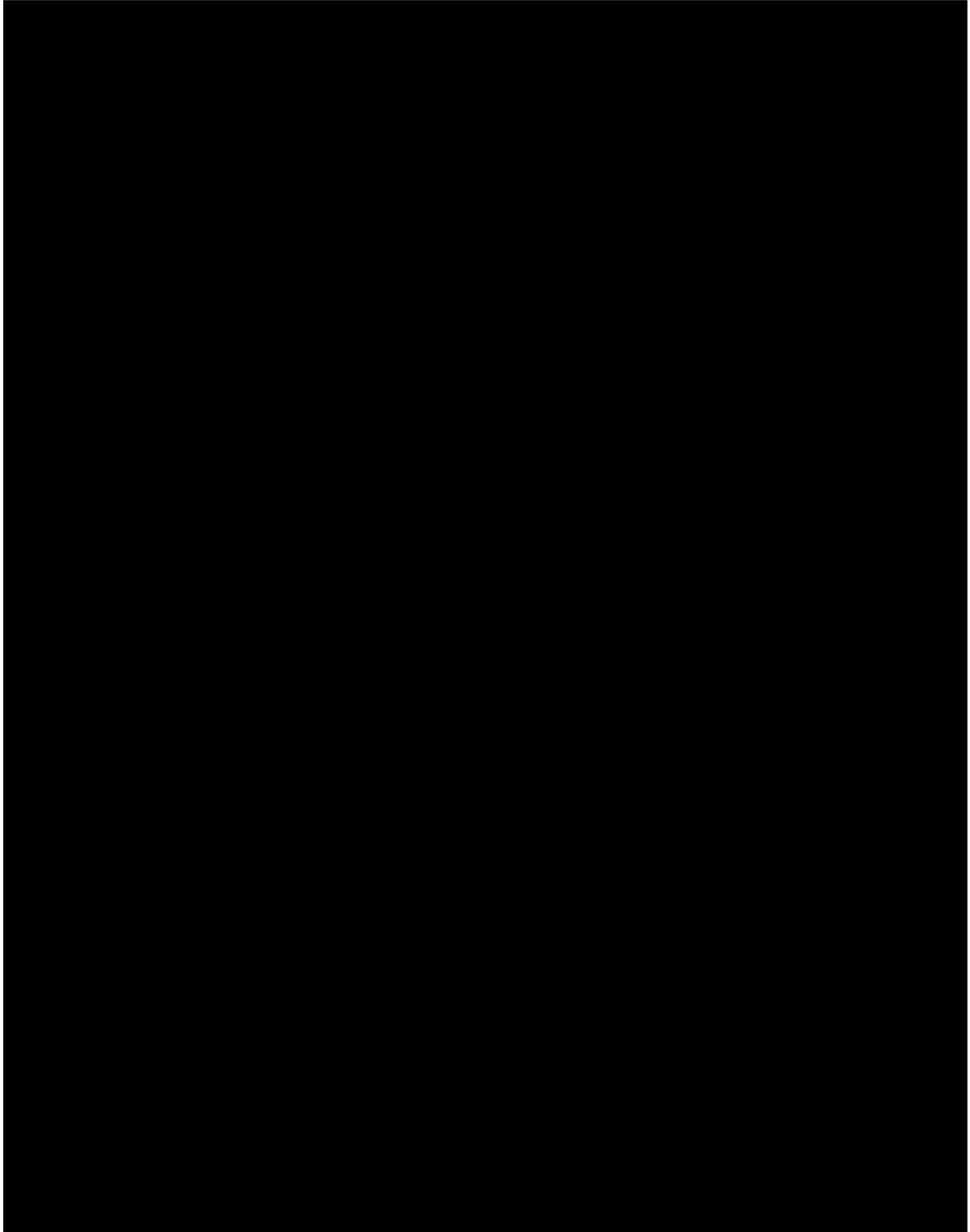
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It should be recognized that the scope of security support available to this Project is broad and difficult to categorize. It is believed, however, that it is fitting that a summary be provided of the major services and support available to the Project.



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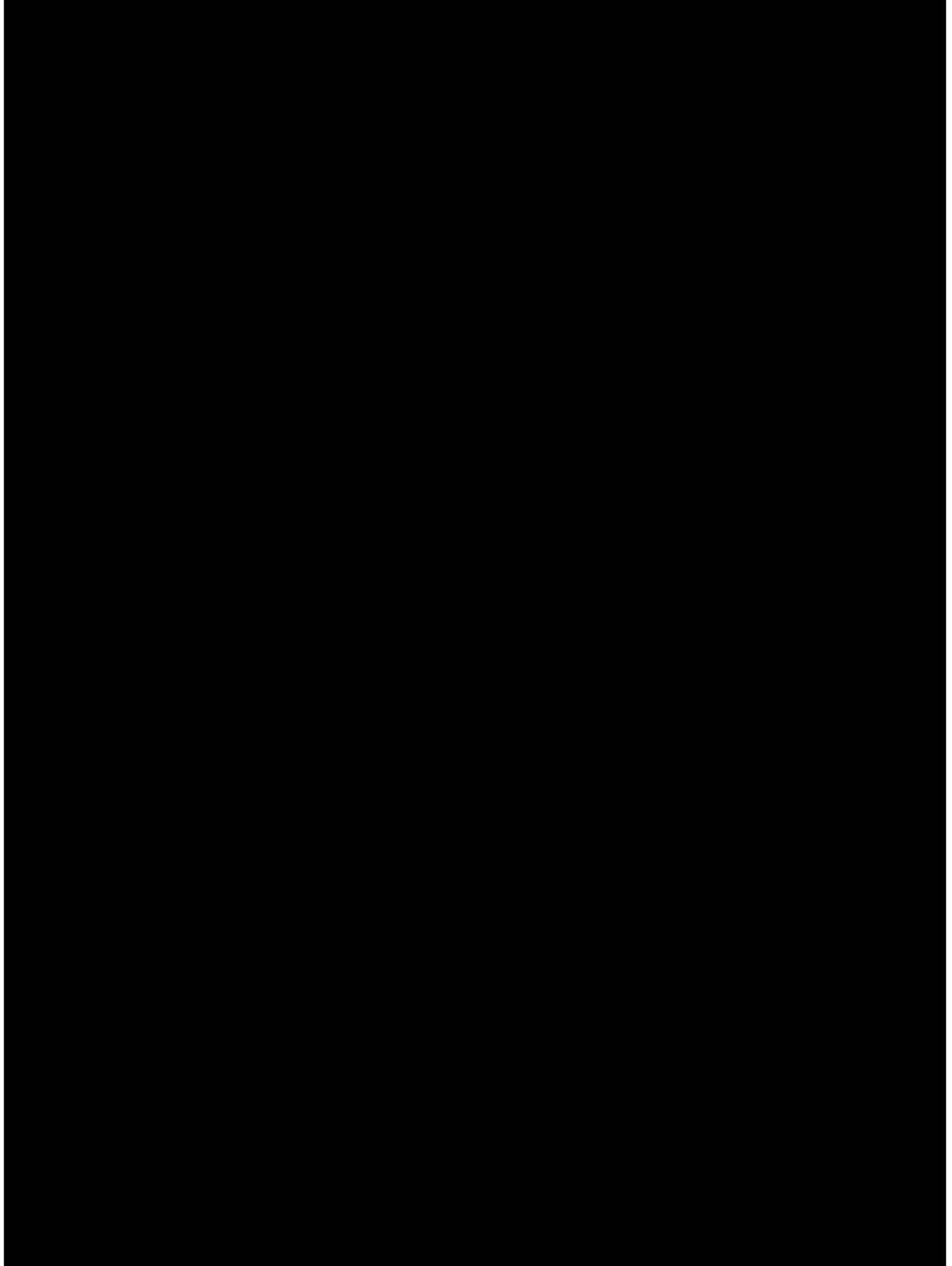
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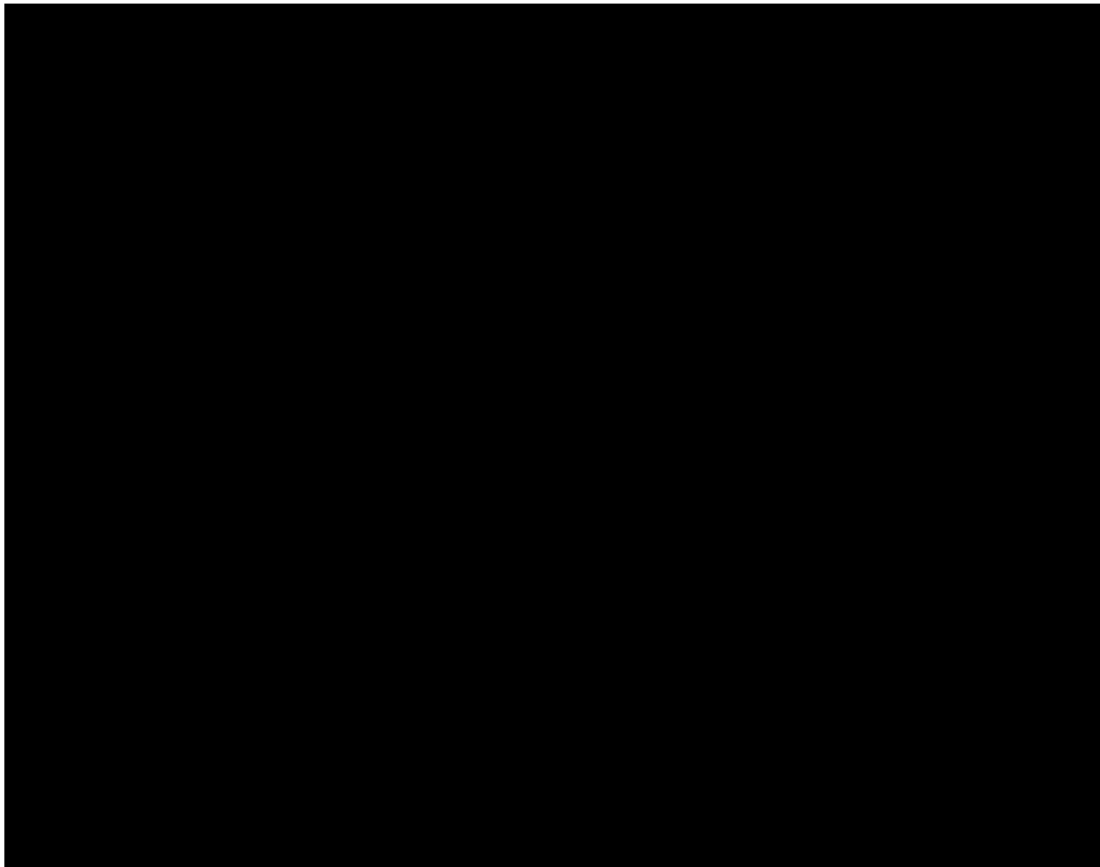
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ANNEX #4
Page 1 of 2 pages.

Logistics Support for the Operation of Project AQUATONE

INTRODUCTION

1. Project AQUATONE is being jointly conducted by the USAF and the Central Intelligence Agency and it will be necessary in the support of this Project to use the logistical capabilities of both Agencies; therefore, it is necessary that a special supply system be instituted in the support of this Project.

GENERAL POLICY

25X1C4a 2. Wherever possible, the U.S. Air Force will perform a supporting logistics role, utilizing their equipment, channels and methods. This will be particularly true in overseas operation.

25X1C4a 3. Certain items, because of their sensitivity or peculiarity, will necessarily have to be procured by CIA. In those cases, the present logistics system of the Agency [REDACTED]

25X1C4a

25X1C4a

25X1C4a 4. Spare parts delivered on the various contracts with commercial concerns, that by their configuration, peculiar use, or other characteristics that make them sensitive, will be controlled by Project Headquarters [REDACTED]

REQUISITIONS

5. In general, the logistics policy regarding the requisitioning for items for use on this Project will consist of the following:

a. For zone of interior operation, all requisitions for supplies will be made upon Project Headquarters who, in turn, will issue shipping instructions to the proper support Agency.

ANNEX 4

b. For overseas operation, all normal requests for logistics support will be made upon the base to which the unit is assigned. Normal theater support should suffice in all cases. Requests for items that are peculiar to the spares delivery of civilian contractors will be made directly upon Project Headquarters at Washington, D.C., who in turn will make necessary arrangements for the procurement and delivery of these items to the overseas organization.

TRANSPORTATION

6. Transportation for the resupply of either zone of interior operations or overseas operations will be determined by Project Headquarters and in conjunction with USAF, and, in all cases, will be the fastest means available that will insure the requisitioned items arriving within established deadline dates.

MATERIEL ACCOUNTING PROCEDURES

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7. Accounting procedures at overseas installations will be in accordance with Air Force Manual 67-1. Procedures used for the accounting of materiel at [REDACTED] will be those agreed upon by various contractors, members of this Agency responsible for the supplies at [REDACTED] and Project Headquarters. GFE, CFE, and Agency items will be identified in a sterile means to insure that upon termination of the Project items will be returned to the Agency from which they were procured.

REQUIREMENTS

8. Requirements for the operation of overseas bases will be established in advance by Project Headquarters and given to Headquarters, USAF, in sufficient time to insure prepositioning of equipment prior to arrival of the units at their base.

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ANNEX 6

COMMUNICATIONS OUTLINE PLAN

General

The Office of Communications within the CIA has assumed responsibility for providing communications support to the Project AQUATONE mission. Personnel have been detailed from the Office of Communications and have been assigned to Project AQUATONE under the general direction of the Project Director. In addition, the facilities and resources of the Office of Communications, both in the ZI and overseas, are available to the Project AQUATONE mission as required.

Assumptions

Communications support will be required for potentially three rear bases with associated forward staging bases from each rear base. It has been stated that two forward staging bases could be operational simultaneously from any of the rear bases.

A long range navigation and communications system will develop to furnish ranging and azimuth information along the flight path of the special vehicle and to provide a limited communications channel between appropriate ground stations and the special vehicle while on flight missions.

Newly developed ELINT equipments will be available for the planned overflights and will be used extensively throughout the Project operational phase.

Overall operational control will be maintained by the Project Headquarters in Washington.

Air Weather Service support, required on a continuous basis for all rear base installations, will, to a large degree, be furnished by the USAF Weather Central in Washington.

Tasks

The Project communications support responsibilities can be categorized generally as follows:

1. Installation of communications facilities and maintenance of all the ELINT and conventional electronic equipments to be utilized for the Project mission.
2. Establishment and operation of the communications circuits providing communications between rear bases and advance staging

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ANNEX 6

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bases including air-ground communications with special vehicles.

3. Establishment of rapid communications links from Project Headquarters in Washington to the rear bases overseas.

4. The development of a comprehensive training program to properly equip communications personnel for the varied and specialized tasks imposed by the Project mission. This training program is currently underway, and will be continued for the required period of time.

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Operational Concept



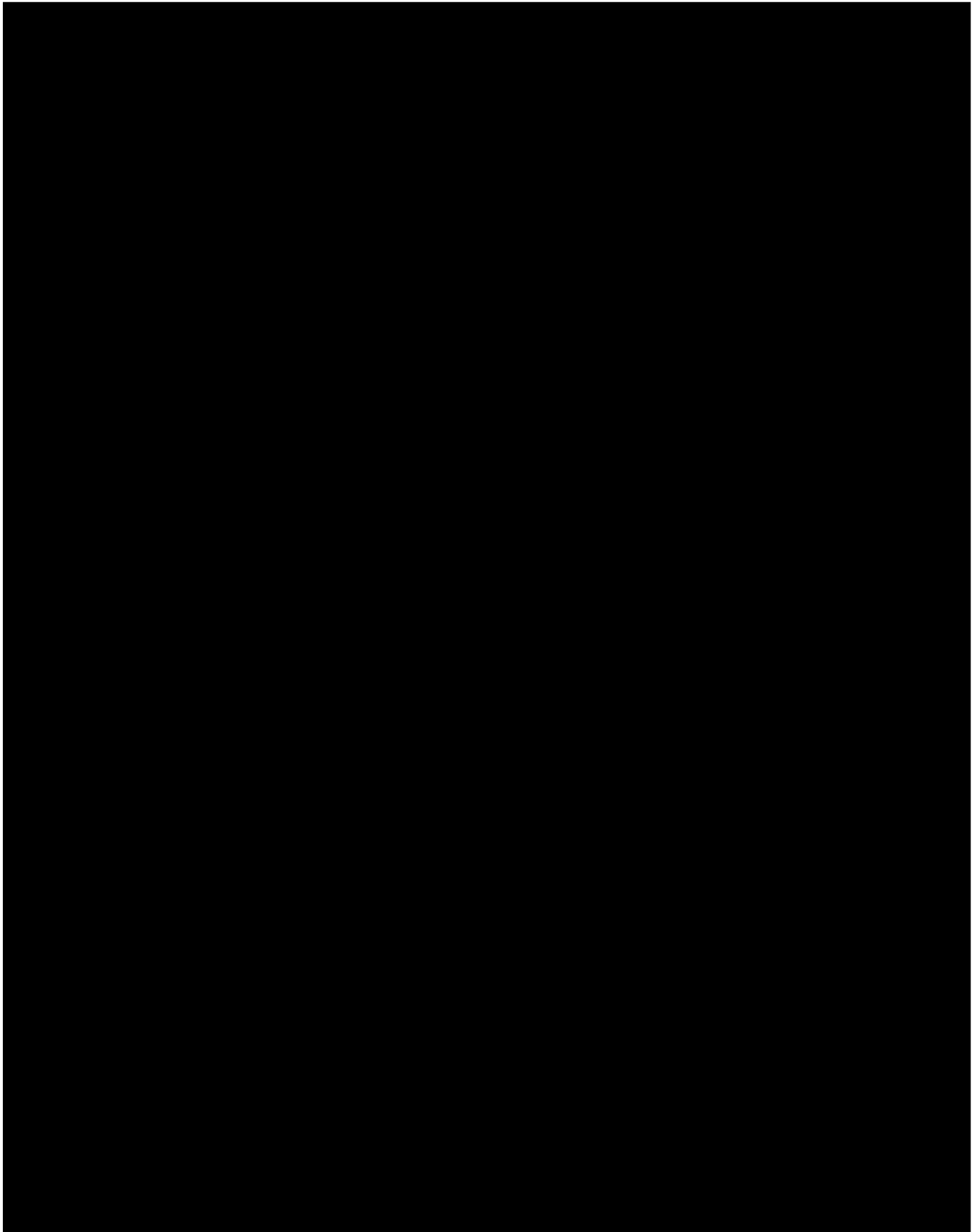
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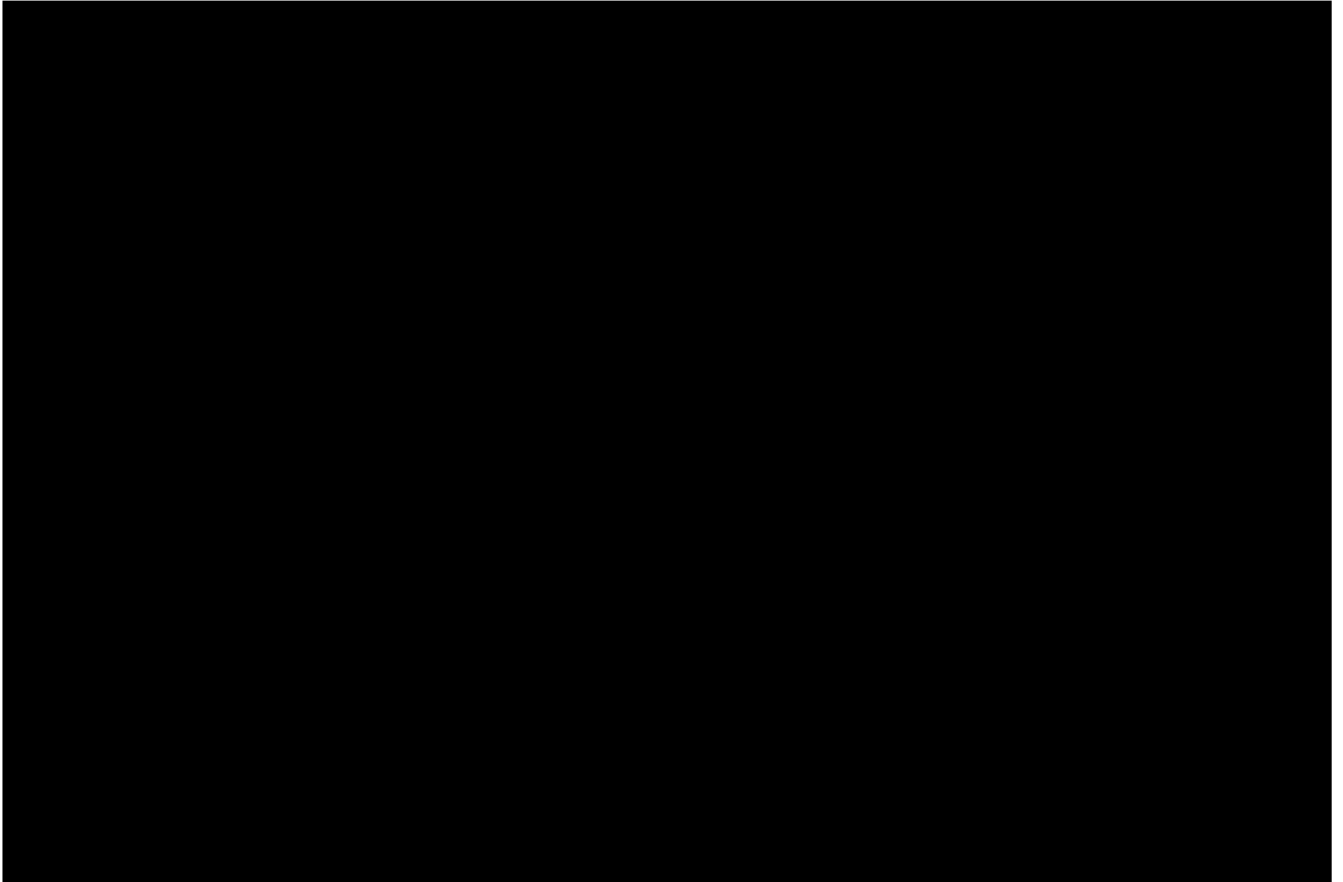
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Conclusion

Considerable effort is being exerted to select and properly modify equipment for the Project AQUATONE mission. Also, especial emphasis is being placed upon the training and programming of communications personnel to achieve the maximum in competent and well-balanced communications teams for each rear base. A small, fully-trained reserve team will be held available in Washington to assist with Project tasks in the ZI and also to be deployed to the overseas bases as the need arises. These measures supported by the resources of the Office of Communications should serve to meet all Project communications requirements.

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ANNEX 7

WEATHER

1. Capability

Consistent with accuracy limitations imposed by our knowledge of meteorology the capability to forecast for the project does exist. Procedures of target selection and flight planning which are adopted will determine the temporal range and detail of forecasts which are needed. Those being considered at this time are such that weather forecasting, in its present state of development, can be of value to the project. Below 30,000 feet sufficient USSR data exist to allow forecasters to prepare professionally ethical and operationally valuable forecasts. Data at levels above 30,000 feet are practically nonexistent. Intensive efforts by the Air Force can secure these data. Clear indications exist that the USSR Meteorological Service is making observations at or near the altitudes of interest.

2. Capability of the USSR to interfere.

If the USSR detects the existence of extensive overflights and is aware of their purpose they can deny us weather information. This would seriously hamper AWS ability to issue accurate forecasts. The final effect would be that of reducing our chances of securing successful missions to approximately one in ten in difficult areas.

3. Requirements

a. Weather service will be required 24 hours per day by the following units:

- | | | |
|---------|--|------------------|
| | (1) Headquarters - Washington, D. C. | |
| 25X1A6a | (2) [REDACTED] | |
| | (3) Detachment A - [REDACTED] | 25X6C |
| | (4) Detachment B - [REDACTED] | |
| | (5) Detachment C - [REDACTED] | |
| 25X6C | (6) Various elements of these Units operating from staging bases located in [REDACTED] | 25X6C
25X1A6a |

b. Consistent with professional capability, forecasts of the detail and the temporal range needed will be issued to each Unit. Precise definition of the detail and temporal range of forecasts to be issued each recipient awaits definition of echelon responsibilities for activities dealing with target selection and flight

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planning. However, the total range of forecasting capability for the USSR will be required by at least one echelon of the project. Thus, the scope can be defined now and the amount of detail needed by individual units imposes a problem of dissemination. The following forecasts will be required by at least one unit of the project.

- (1) Five day extended period forecasts of the USSR (issued as the situation merits)
- (2) Daily forty-eight hour forecasts for the USSR
- (3) Daily twenty-four hour forecasts for the USSR (including winds)
- (4) From take off - 12 hours to take off time, two hourly forecasts for specific flights (including winds)
- (5) Terminal forecasts
- (6) Route forecasts for transport aircraft
- (7) Terminal forecasts for [REDACTED] 25X1A6a
- (8) Twenty-four hour forecasts for the U. S. (including winds)
- (9) Take off--3 hour forecasts for specific routes in U. S. (including winds)

c. Following are the elements to be contained in forecasts of less than 24 hours temporal range.

- (1) Bases
 - a. Clouds
 - i. Departure base
 - ii. Landing base
 - iii. Alternate
 - b. Visibility
 - i. Departure
 - ii. Landing
 - iii. Alternate

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ANNEX 7

- c. Surface Winds
 - i. Departure
 - ii. Landing
 - iii. Alternate
 - d. Icing
 - i. Ascent
 - ii. Descent
 - e. Turbulence
 - i. Ascent
 - ii. Descent
- (2) Targets and Routes. This detail is required for all potential target areas in planning forecasts of 24 hour or shorter periods and for specific routes during final planning.
- a. Winds - Cumulative vector error not to exceed five percent of distance of the route.
 - i. 40,000 ft. MSL
 - ii. 50,000 ft. MSL
 - iii. 60,000 ft. MSL
 - iv. 70,000 ft. MSL
 - b. Clouds
 - i. Areas of 0 to 1/8 total cloud cover
 - ii. Areas of 1 to 2/8 " " "
 - iii. Areas of 3 to 5/8 " " "
 - iv. Areas of 5 to 8/8 " " "
 - c. Visibility Restrictions
 - i. Type

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ANNEX 7

ii. Thickness

iii. Location

iv. Intensity

4. Organization

a. A number of forecasters are being assigned to project T. O. position. These people will be moved readily to wherever the Unit or portion thereof is located. They will prepare and disseminate forecasts, advise Commanders and other Staff Officers on weather matters, perform liaison and establish weather requirements. They will coordinate the efforts of supporting AWS units and will ensure these units are providing the required support. They will record the effects of weather on each mission and inform supporting AWS units of these effects.

b. Providing weather support for activities of this project is primarily Air Force responsibility. They will fulfill this responsibility by using the Air Weather Service. Where possible, the Air Weather Service will discharge its responsibility by using established units. Some of these will be supplemented, some will have their efforts redirected and modified. A new unit will be established in [REDACTED] as none now exists. Air Weather Service units which will participate in this project are listed below:

(1) USAF Weather Central - Suitland, Md.

(2) [REDACTED]

(3) Base Weather Station Base A - [REDACTED] (to be supplemented by 6 AWS people in a secure area) 25X6C

(4) Base Weather Station Base B - [REDACTED] (to be supplemented by 6 AWS people in a secure area) 25X6C

(5) Base Weather Station Base C - [REDACTED] (to be supplemented by 6 AWS people in a secure area) 25X6C

5. Unit Responsibility

a. The USAF Weather Central will prepare and issue the following forecasts:

(1) All wind forecasts for levels above 30,000 feet MSL (US and overseas)

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ANNEX 7

- (2) All forecasts for the USSR and routes thereto for period beyond 6 hrs prior to take off of aircraft on specific missions. (Subject to revision \pm 2 hrs.)
- (3) Special forecasts as the need arises.
- (4) All forecasts for Headquarters regardless of time.

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25X1A6a

b. The [REDACTED] unit will prepare and issue these forecasts for [REDACTED]

- (1) Planning forecasts for training
- (2) Training flight forecasts
- (3) Terminal forecasts
- (4) Forecasts for shuttle operations

c. The witting supplement of home base weather stations overseas will prepare and issue:

- (1) Forecasts for transport aircraft
- (2) Terminal forecasts including alternates
- (3) Short period forecasts for specific missions. (Take off--6 hrs. to take off time)

6. Dissemination

a. Forecasts will be disseminated by weather officers assigned to the project to the maximum degree possible. However, a backup will be available at each home base. This backup will consist of the three witting AWS officers in the secure weather station supplement. These will be trained to perform the home base duties of the Staff Weather Officer. At [REDACTED] the officer in charge of the station at [REDACTED] will be available for backup. If developments indicate two weather officers are insufficient for Project Headquarters, Air Weather Service will be requested to provide additional forecasters to be assigned to the USAF Weather Central as part of its support to the Project. 25X1A6a

25X1A6a

7. Communications

a. Weather is concerned with two types of communications. First are those dealing with basic weather data. The majority of the required data is already available at each place that weather

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ANNEX 7

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units will be located. Supplementation will be required when overseas operations begin. The Commander, AWS, is expected to place his requirements on the proper Air Force agency with Hq, USAF establishing the priority of these requirements. Basic weather data for the U. S. portion of the operation exist and are available at both [REDACTED] and the USAF Weather Central.

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b. Requests for forecasts directed to the USAF Central will emanate from [REDACTED] home bases, and staging bases. Replies to these requests plus forecasts issued at established times will emanate from the USAF Weather Central. These will be transmitted by secure CIA channels as established in the communications annex. A firm estimate of the volume, frequency, and format of these forecasts cannot be provided the communications section at this time as the need for forecasts is defined by the responsibilities for target selection and flight planning assigned various echelons of the project.

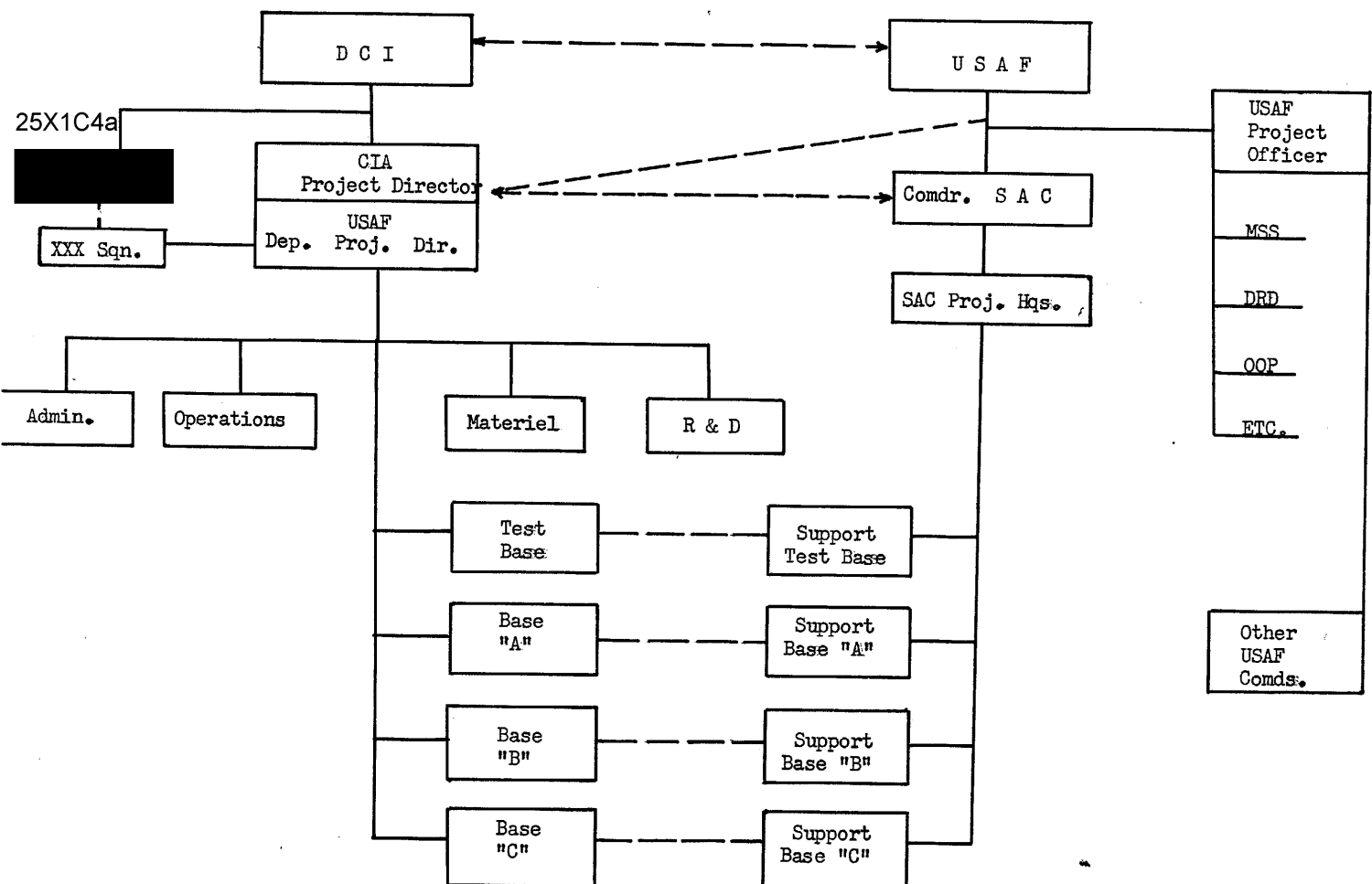
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ORGANIZATION CHART
OILSTONE



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